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PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for Form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheer

of 2

Complete if Known

Application Number

Filing Date

First Named Inventor

Group A & Unit

Examiner Name _____

Attorney Docket Number 2578-4489U

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5-2003
2003

Sheet 1 of 2 Attorney Docket Number 2578-4489US

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

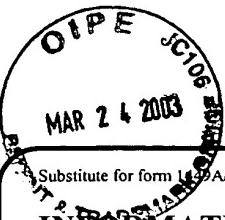
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
MM		WO 98/50053 A1	11/12/1998	Gorziglia Mario		
MM		WO 99/47180 A1	09/23/1999	Genzyme Corp.		
		WO 00/31285 A1	06/02/2000	Introgen B.V.		
		WO 00/52186 A1	09/08/2000	Bout Abraham		
		WO 00/70071 A1	11/23/2000	Bout Abraham		
MM		WO 02/24730 A2	03/28/2002	Crucell Holland B.V.		

Examiner Signature	M. Marid	Date Considered	5/30/03
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Substitute for form 1-49A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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of | 2

<i>Complete if Known</i>	
Application Number	09/665,472
Filing Date	September 20, 2000
First Named Inventor	Havenga et al.
Group Art Unit	1636
Examiner Name	G. Leffers
Attorney Docket Number	2578-4489US

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Signature		Date Considered	5/30/03
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1 of 9

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Application Number	09/665,472
Filing Date	September 20, 2000
First Named Inventor	Havenga et al.
Group Art Unit	1636
Examiner Name	G. G. Leffers, <i>TECH CENTER 1600/2000</i>

Attorney Docket Number

2578-4489US

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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
<i>MJM</i>		US- 4,487,829	12/11/1984	Sharp et al.	
		US- 4,517,686	05/21/1985	Ruosahti et al.	
		US- 4,578,079	03/25/1986	Ruosahti et al.	
		US- 4,589,881	05/20/1986	Pierschbacher et al.	
		US- 4,593,002	06/03/1986	Dulbecco	
		US- 4,792,525	12/20/1988	Ruosahti et al.	
		US- 4,797,368	01/10/1989	Carter et al.	
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		US- 5,096,815	03/17/1992	Ladner et al.	
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		US- 5,204,445	04/20/1993	Plow et al.	
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		US- 5,246,921	09/21/1993	Reddy et al.	
		US- 5,332,567	07/26/1994	Goldenberg	
		US- 5,349,053	09/20/1994	Landolfi	
		US- 5,403,484	04/04/1995	Ladner et al.	

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<i>MJM</i>		259212	03/09/1988	EPØ		
		2078631	03/19/1990	JPØ		
		WO 91/00360	01/10/1991	PCT		
		WO 91/05805	05/02/1991	PCT		
		WO 91/05871	05/02/1991	PCT		
		WO 92/02553	02/20/1992	PCT		
		WO 92/13081	08/06/1992	PCT		
		WO 93/03769	03/04/1993	PCT		
		WO 93/06223	04/01/1993	PCT		

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M. Marinich

Date Considered

01/21/03

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Application Number	09/665,472
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First Named Inventor	Havenga et al.
Group Art Unit	1636
Examiner Name	G.G. Leffers, Jr.
Attorney Docket Number	2578-4489US

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Myn		US-5,436,146	07/25/1995	Shenk et al.	
		US- 5,443,953	08/22/1995	Hansen et al.	
		US- 5,474,935	12/12/1995	Chatterjee et al.	
		US- 5,521,291	05/28/1996	Curiel et al.	
		US- 5,534,423	07/09/1996	Palsson et al.	
		US- 5,543,328	08/06/1996	McClelland et al.	
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		US- 5,571,698	11/05/1996	Ladner et al.	
		US- 5,622,699	04/22/1997	Ruosahti et al.	
		US- 5,712,136	01/27/1998	Wickham et al.	
		US- 5,731,190	03/24/1998	Wickham et al.	
		US- 5,756,086	05/26/1998	McClelland et al.	
		US- 5,770,442	06/23/1998	Wickham et al.	
		US- 5,922,315	07/13/1999	Roy	
		US- 6,127,525	10/03/2000	Crystal et al.	
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		US-			
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		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
Myn		WO 93/07282	04/15/1993	PCT		
		WO 93/07283	04/15/1993	PCT		
		WO 94/08026	04/14/1994	PCT		
		WO 94/10323	05/11/1994	PCT		
		WO 94/11506	05/26/1994	PCT		
		WO 94/15644	07/21/1994	PCT		
		WO 94/17832	08/14/1994	PCT		
		WO 94/24299	10/27/1994	PCT		
		WO 94/26915	11/24/1994	PCT		

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Sheet

3 of 9

Complete if Known

Application Number	09/665,472
Filing Date	September 20, 2000
First Named Inventor	Havenga et al.
Group Art Unit	1636
Examiner Name	G.G. Leffers, Jr.
Attorney Docket Number	2578-4489US

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MWY		WO 95/05201	02/23/1995	PCT		
		WO 95/06745	03/09/1995	PCT		
		WO 95/14785	06/01/1995	PCT		
		WO 95/16037	06/15/1995	PCT		
		WO 95/21259	08/10/1995	PCT		
		WO 95/26412	10/05/1995	PCT		
		WO 95/27071	10/12/1995	PCT		
		WO 95/31187	11/23/1995	PCT		
		WO 95/31566	11/23/1995	PCT		
		WO 96/00790	01/11/1996	PCT		
		WO 96/07739	03/14/1996	PCT		
		WO 96/10087	04/04/1996	PCT		
		WO 96/13597	05/09/1996	PCT		
		WO 96/14837	05/23/1996	PCT		
		WO 96/17073	06/06/1996	PCT		
		WO 96/18740	06/20/1996	PCT		
		WO 96/26281	08/29/1996	Wickham et al.		
		WO 97/00326	01/03/1997	PCT		
		WO 97/24453	07/10/1997	PCT		
		WO 97/38723	10/23/1997	PCT		
		WO 98/07865	02/26/1998	PCT		
		WO 98/11221	03/19/1998	PCT		
		WO 98/13499	04/02/1998	PCT		
		WO 98/22609	05/28/1998	PCT		
		WO 98/32842	07/30/1998	PCT		
		WO 98/40509	09/17/1998	PCT		

Examiner Signature

M. Marce

Date Considered

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Sheet 4 of 9

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Application Number	09/665,472
Filing Date	September 20, 2000
First Named Inventor	Havenga et al.
Group Art Unit	1636
Examiner Name	G. G. Leffers, Jr.
Attorney Docket Number	2578-44891US

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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
MM		DE JONG et al., "Adenoviruses from Human Immunodeficiency Virus-Infected Individuals, Including Two Strains That Represent New Candidate Serotypes Ad50 and Ad51 of Species B1 and D, Respectively," 37(12) Journal of Clinical Microbiology 3940-45, American Society for Microbiology (Dec. 1999).	
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MM		BAI et al., "Mutations That Alter an Arg-Gly-Asp (RGD) Sequence in the Adenovirus Type 2 Penton Base Protein Abolish Its Cell-Rounding Activity and Delay Virus Reproduction in Flat Cells," Journal of Virology, 67(9), 5198-5205 (1993).	
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Examiner Signature	Maurich	Date Considered	6/12/03
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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
MM		COTTEN et al., "Transferrin-polycation-mediated introduction of DNA into human leukemic cells: Stimulation by agents that affect the survival of transfected DNA or modulate transferrin receptor levels," Proc. Natl. Acad. Sci. USA, 87, 4033-4037 (1990).	
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		FALGOUT et al., "Characterization of Adenovirus Particles Made by Deletion Mutants Lacking the Fiber Gene," Journal of Virology, 62(2), 622-625 (1988).	
		GALL et al., "Adenovirus type 5 and 7 capsid chimera: Fiber replacement alters receptor tropism without affecting primary immune neutralization epitopes," 70(4) Journal of Virology 2116-23 (1996).	

Examiner Signature	M. Marich	Date Considered	6/2/03
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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

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MAM		GALL et al., "Construction and characterization of Hexon-Chimeric Adenoviruses: Specification of adenovirus serotype," 72(12) Journal of Virology 10260-64 (1998).	
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Examiner Signature	M. Munsch	Date Considered	6/12/03
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	09/665,472
Filing Date	September 20, 2000
First Named Inventor	Havenga et al.
Group Art Unit	1636
Examiner Name	G.G. Leffers, Jr.
Attorney Docket Number	2578-4489US

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MM		MASTRANGELI et al., "In Vivo Gene Transfer to the Lung of Experimental Animals Using a Chimeric Ad5/Ad7 Adenovirus Vector," Ped. Pulm., Suppl., 12, 230, Abst. No. 180 (1995).	
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Examiner Signature	M. Marich	Date Considered	6/2/03
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Application Number	09/665,472
Filing Date	September 20, 2000
First Named Inventor	Havenga et al.
Group Art Unit	1636
Examiner Name	G.G. Leffers, Jr.
Attorney Docket Number	2578-4489US

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
Mm		NOVELLI et al., "Deletion Analysis of Functional Domains in Baculovirus-Expressed Adenovirus Type 2 Fiber," Virology, 185, 365-376 (1991).	
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Examiner Signature

M. Marich

Date Considered

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Sheet 9 of 9

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Application Number	09/665,472
Filing Date	September, 20, 2000
First Named Inventor	Havenga et al.
Group Art Unit	1636
Examiner Name	G.G. Leffers, Jr.
Attorney Docket Number	2578-44891JS

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